

Title (en)

Color transmission system discrimination circuit in a television receiver

Title (de)

Schaltung zur Bestimmung eines Farbübertragungssystems in einem Fernseher

Title (fr)

Circuit discriminateur de système d'émission en couleurs intérieur à une télévision

Publication

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Application

EP 06021784 A 19990621

Priority

- EP 99925406 A 19990621
- JP 18272798 A 19980629

Abstract (en)

In a receiver capable of receiving a plurality of television systems, a color transmission system discrimination circuit is provided, which is capable of exactly and rapidly determining a color transmission system which is being received. The color transmission system discrimination circuit includes: a killer state change detection circuit 23 for detecting a change in three kinds of color killer signals corresponding to a burst signal component in a 90° phase, a burst signal component in a 180° phase, and a SECAM discrimination signal; a sequencer 22 which is driven with an output signal of the killer state change detection circuit 23 and performs the first, second, and third stages in this order respectively for a predetermined period of time; first latch circuits 29 to 31 for latching the color killer signal captured in the first stage; second latch circuits 32 and 33 for latching the color killer signal captured in the second stage; and a discrimination decoder 34 for outputting a discrimination signal of a color system and a discrimination signal of a frequency of a reference sub-carrier signal, based on the color killer signal captured in the third stage and the output signals of the first and second latch circuits 29 to 33.

IPC 8 full level

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CPC (source: EP KR US)

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